

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PALGE03042	FOR FURTHER see Notification of Transmittal of International Search Report					
	ACTION		well as, where applicable, item 5 below. (Earliest) Priority Date (day/month/year)			
International application No.	International filing da					
PCT/KR 03/01372	10 July 2003 (10.07.2003)	20 December 2002 (20.12.2002)			
Applicant		,				
LG ELECTRONICS INC.			·			
This international search report has be	en prepared by this Ir	nternational Searching A	uthority and is transmitted to the applicant			
according to Article 18. A copy is beir	ig transmitted to the l	International Bureau.				
This international search report consis	ts of a total of 4	sheets.				
It is also accompan	ied by a copy of each	prior art document cited	d in this report.			
Basis of the report a. With regard to the language language in which it was file	e, the international sea	arch was carried out on the indicated under this item	he basis of the international application in the			
Authority (Rule 23.1(b)).		of the international application furnished to this			
b. With regard to any nucleoti search was carried out on th	de and/or amino aci e basis of the sequen	d sequence disclosed in ce listing:	the international application, the international			
contained in the interna	ational application in	written form.				
filed together with the	international applicat	ion in computer readable	e form.			
furnished subsequently	to this Authority in	written form.	·			
furnished subsequently	to this Authority in o	computer readable form.				
the statement that the s	ubsequently furnishe filed has been furnish	d written sequence listin	g does not go beyond the disclosure in the			
the statement that the i been furnished.	nformation recorded	in computer readable for	m is identical to the written sequence listing has			
2. Certain claims were f	found unsearchable	(See Box I).				
3. Unity of invention is	lacking (See Box II).					
4. With regard to the title,						
the text is approved as	submitted by the app	olicant.				
the text has been estab	lished by this Author	ity to read as follows:	•			
5. With regard to the abstract,		•				
the text is approved as	submitted by the app	olicant.				
the text has been estab	olished, according to ling the date of mailing	Rule 38.2(b), by this Aut of this international sear	hority as it appears in Box III. The applicant may, ch report, submit comments to this Authority.			
6. The figure of the drawings to b	e published with the	abstract is Figure No.: _	2			
as suggested by the ap	oplicant.		None of the figures.			
because the applicant	failed to suggest a fig	gure.	•			
because this figure be	tter characterizes the	invention.				
i e						





Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

A refrigerating system includes: an evaporator (2) for performing a cooling operation as a refrigerant is evaporated; a compressor (4) for compressing the refrigerant discharged from the evaporator as a mover is reciprocally moved; a condenser (6) for changing the refrigerant compressed in the reciprocating compressor to a liquid refrigerant; and a capillary tube (8) for decompressing the refrigerant discharged from the condenser and transferring it to the evaporator. The refrigerant is an HFC refrigerant, hydrogenated carbon fluoride comprising hydrogen, fluorine and carbon and the lubricant is an esterbased lubricant, a sort of synthetic fluid, so that a lubricating performance and a performance of the refrigerating system can be improved.

Form PCT/ISA/210 (second sheet) (July 1998)

CLASSIFICATION OF SUBJECT MATTER IPC⁷: F04B 35/04, F04B 39/02 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC': F04B, F25B, C09K, C10M Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPI, EPODOC, PAJ DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Category 1. US 6409484 B1 (Hyun) 25 June 2002 (25.06.02) Χ fig. 1. 1,6 US 5531574 A (Honma) 2 July 1996 (02.07.96) X abstract. 7-10 Α Further documents are listed in the continuation of Box C. See patent family annex. "T" later document published after the international filing date or priority Special categories of cited documents: date and not in conflict with the application but cited to understand "A" document defining the general state of the art which is not the principle or theory underlying the invention considered to be of particular relevance "X" document of particular relevance; the claimed invention cannot be .E" earlier application or patent but published on or after the international considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is document of particular relevance; the claimed invention cannot be cited to establish the publication date of another citation or other considered to involve an inventive step when the document is special reason (as specified) combined with one or more other such documents, such combination "O" document referring to an oral disclosure, use, exhibition or other being obvious to a person skilled in the art "&" document member of the same patent family document published prior to the international filing date but later than the priority date claimed Date of mailing of the international search report Date of the actual completion of the international search 20 November 2003 (20.11.2003) 20 October 2003 (20.10.2003) Authorized officer Name and mailing adress of the ISA/AT Austrian Patent Office WITTMANN K. Dresdner Straße 87, A-1200 Vienna Telephone No. 1/53424/380 Facsimile No. 1/53424/535

INTERNATION SEARCH REPORT Information on the family members

Internation polication No. PCT/ 03/01372-0

	Patent document cited in search report		Publication date	Patent family member(s)			Publication date
US	A	5531574	1996-07-02	KR	Y	125101Y	1998-11-02
				CN	A	1107943	1995-09-06
				JP	A	7238885	1995-09-12
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